

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A combination hood microwave oven comprising:
a cabinet disposed over an oven range;
a cooking ~~room~~ unit having a predetermined cavity within the cabinet for cooking using an electromagnetic wave generated from a magnetron;
a hood unit installed within the cabinet to discharge polluted air produced from the oven range on cooking; and
an air curtain generating unit installed at a front bottom side of the cabinet ~~to prevent the polluted air from diffusing into a room, the air curtain generating unit including:~~
a fan housing formed at the front bottom side of the cabinet, the fan housing having an intake opening at the front bottom side of the cabinet and an outflow opening at the front bottom side of the cabinet; and
a blowing fan disposed at the front bottom side of the cabinet in the fan housing, the blowing fan inhaling air through the intake opening and exhaling the air through the outflow opening to form an air curtain to prevent the polluted air from diffusing into a room.

2. (Currently Amended) The combination hood microwave oven of claim 1, wherein the air curtain generating unit comprising further comprises:
~~a blowing fan rotatably provided to a front bottom side of the cabinet;~~

a drive motor for rotating the blowing fan; ~~and~~
~~a fan housing formed at the front bottom side of the cabinet to hold the~~
~~blowing fan therein and having an intake opening for inhaling air and an~~
~~outflow opening for exhaling air to form an air curtain.~~

3. (Currently Amended) The combination hood microwave oven of ~~claim~~
2claim 1, wherein the blowing fan is a crossflow fan having a configuration that
the air is inhaled and exhaled in a circumferential direction ~~when the fan is~~
~~rotated by the drive motor~~ of the crossflow fan.

4. (Currently Amended) The combination hood microwave oven of ~~claim~~
2claim 1, wherein the fan housing is formed at the front bottom side of the
cabinet in a length direction, ~~the intake opening faces a front side of the~~
~~microwave oven,~~ and the outflow opening inclines to a lower direction of the
microwave oven to have a predetermined incline angle so that the air forming
the air curtain is injected toward an upper front side of the oven range.

5. (Withdrawn-Currently Amended) The combination hood microwave
oven of claim 1, wherein the air curtain generating unit ~~comprising further~~
comprises:

~~a front air curtain generating unit installed at the front bottom side of the cabinet to form a front air curtain inclining to a front lower side of the cabinet;~~

a left air curtain generating unit installed at a left bottom side of the cabinet to form a left air curtain inclining to a left lower side of the cabinet; and

a right air curtain generating unit installed at a right bottom side of the cabinet to form a right air curtain inclining to a right lower side of the cabinet.

6. (Withdrawn-Currently Amended) The combination hood microwave oven of claim 5, wherein each of the ~~front~~, right and left air curtain generating units, ~~comprising~~ comprises:

a blowing fan ~~rotatably~~ installed at the corresponding bottom side of the cabinet;

a drive motor for driving the corresponding blowing fan; and

a fan housing formed at the corresponding bottom side of the cabinet to hold the corresponding blowing fan therein and having an intake opening for inhaling air and an outflow opening for exhaling air to form the corresponding air curtain.

7. (Cancelled)

8. (Withdrawn-Currently Amended) The combination hood microwave oven of claim 1, wherein the air curtain generating unit ~~comprising~~further comprises:

~~a front air curtain generating unit installed at the front bottom side of the cabinet to form a front air curtain inclining to a front lower side of the cabinet; and~~

a left air curtain generating unit installed at a left bottom side of the cabinet to form a left air curtain inclining to a left lower side of the cabinet.

9. (Withdrawn-Currently Amended) The combination hood microwave oven of claim 1, wherein the air curtain generating unit ~~comprising~~further comprises:

~~a front air curtain generating unit installed at the front bottom side of the cabinet to form a front air curtain inclining to a front lower side of the cabinet; and~~

a right air curtain generating unit installed at a right bottom side of the cabinet to form a right air curtain inclining to a right lower side of the cabinet.

10. (Withdrawn-Currently Amended) The combination hood microwave oven of claim 1, wherein the blowing fan is a crossflow fan, the air curtain generating unit comprising:

a sliding plate provided to the bottom side of the cabinet, the sliding plate being slidable to ~~slide out~~ in front of the cabinet to a predetermined displacement; a the crossflow fan rotatably being installed at a front side of the sliding plate to form ~~an the~~ air curtain ~~by inhaling/exhaling air~~; and
a drive motor for rotating the crossflow fan.

11. (Withdrawn-Currently Amended) The combination hood microwave oven of claim 10, wherein guide grooves are formed at the bottom side of the cabinet to have the sliding plate slide to move, a the fan housing ~~90 having an intake opening and an outflow opening is provided to being at~~ the front side of the sliding plate, ~~and the crossflow fan is rotatably loaded in the fan housing.~~

12. (Cancelled)

13. (New) The combination hood microwave oven of claim 1, wherein the intake opening and the outflow opening being separated by a diaphragm.